

## **Amendments to the Claims:**

The following complete listing of the claims will replace all prior versions, and listings, of claims in the application. Kindly cancel Claims 3-8, without prejudice, amend Claims 1, 2, 9-12, and 14-20, and add new Claims 21-27 as follows. No new matter has been introduced.

### **Listing of Claims:**

1. (currently amended) A method for computer network access, comprising the steps of:  
running a client application, wherein[[,]] the client application is not a web browser, and  
wherein the client application runs on a customer device incapable of managing a cookie;  
entering user information into the customer device;  
5 communicating the entered user information to a first server;  
storing the user information on the first server;  
creating a unique customer identification for a user of the customer device;  
storing the unique customer identification on the first server;  
communicating the unique customer identification to[[,]] a client running the client  
10 application[[,]] and to a plurality of other servers running a plurality of server applications[[,]],  
thereby providing a unique customer identification communication lacking a cookie, wherein the  
unique customer identification communication ~~does not include a cookie~~ is sent to a browser;  
storing the unique customer identification on the client server and on the plurality of  
other servers;  
15 communicating the unique customer identification from the client to at least one server  
selected from a group consisting essentially of the first server [[or]] and one other server of the  
plurality of other servers; and  
authenticating the user by matching the unique customer identification received [[at]] by  
the [[first]] at least one server ~~or one of the other servers~~ with the unique customer identification  
20 stored on the [[first]] at least one server ~~or one of the other servers~~,  
thereby providing a ubiquitous presence on a network for facilitating provision of a  
service to the user.

2. (currently amended) The method of claim 1,  
wherein ~~[[in]] the step of authenticating the user by matching the unique customer~~  
~~identification, the first server and each of the other servers has step comprises:~~  
providing a particular service available to the user; ~~of the customer device and~~  
5 prohibiting the user of the customer device is not allowed access to from accessing the  
particular service if the unique customer identification received [[at]] by the at least one server  
does not match the stored unique customer identification.

Claims 3-8 (canceled)

9. (currently amended) A digital computer system, ~~programmed to perform the following~~  
~~steps comprising:~~

a computer program adapted to:

run a client application wherein~~[[,]]~~ the client application is not a web browser,  
5 and wherein the client application runs on a customer device incapable of managing a  
cookie;

receive user information entered into the customer device;  
communicate the entered user information to a first server;  
store the user information on the first server;  
10 create a unique customer identification for a user of the customer device;  
store the unique customer identification on the first server;  
communicate the unique customer identification to~~[[,]]~~ a client running the client  
application~~[[,]]~~ and to a plurality of other servers running a plurality of server  
applications, whereby a unique customer identification communication is provided,  
15 wherein the communication does not include a cookie sent to a browser;

store the unique customer identification on the client and the plurality of other  
servers;

communicate the unique customer identification from the client to at least one  
server selected from a group consisting essentially of the first server ~~[[or]]~~ and one other  
20 server of the plurality of other servers; and

authenticate~~[[,]]~~ the user by matching the unique customer identification received

[[at]] by the [[first]] at least one server ~~or one of the other servers~~ with the unique customer identification stored on the [[first]] at least one server or one of the other servers,

25 wherein each server of the plurality of other servers [[has]] provides a particular service available to the user of the customer device, [[and]]

wherein the user of ~~the customer device~~ is ~~not allowed access to the services~~ prohibited from accessing the service if the unique customer identification received [[at]] by the [[first]] at least one server ~~or one of the other servers~~ does not match the unique customer identification  
30 stored on the [[first]] at least one server ~~or one of the other servers, and~~

whereby a ubiquitous presence on a network is provided for facilitating provision of a service to the user.

10. (currently amended) A computer-readable medium, storing comprising:

a computer program, ~~the computer program functional to perform the following steps adapted to:~~

~~run a client application wherein;~~

5 ~~the client application is not a web browser; and~~

~~the client application runs on a customer device;~~

~~receive user information entered into the customer device;~~

~~communicate the entered user information to a first server;~~

~~store the user information on the first server;~~

10 ~~create a unique customer identification for a user of the customer device;~~

~~store the unique customer identification on the first server;~~

~~communicate the unique customer identification to;~~

~~a client running the client application, and~~

~~other servers running a plurality of server applications;~~

15 ~~store the unique customer identification on the client and the other servers;~~

~~communicate the unique customer identification from the client to the first server or one of the other servers; and~~

~~authenticate, the user by matching the unique customer identification received at the first server or one of the other servers with the unique customer identification stored on the first~~

20 ~~server or one of the other servers;~~

~~wherein each of the other servers has a particular service available to the user of the customer device and~~

~~wherein the user of the customer device is not allowed access to the services the unique customer identification received at the first server or one of the other servers does not match the~~  
25 ~~unique customer identification stored on the first server or one of the other servers.~~

run a client application wherein the client application is not a web browser, and wherein the client application runs on a customer device incapable of managing a cookie;

receive user information entered into the customer device;

communicate the entered user information to a first server;

30 store the user information on the first server;

create a unique customer identification for a user of the customer device;

store the unique customer identification on the first server;

communicate the unique customer identification to a client running the client application and to a plurality of other servers running a plurality of server applications,

35 whereby a unique customer identification communication is provided, wherein the communication does not include a cookie sent to a browser;

store the unique customer identification on the client and the plurality of other servers;

40 communicate the unique customer identification from the client to at least one server selected from a group consisting essentially of the first server and one other server of the plurality of other servers; and

authenticate the user by matching the unique customer identification received by the at least one server with the unique customer identification stored on the at least one server or one of the other servers,

45 wherein each server of the plurality of other servers provides a particular service available to the user of the customer device,

wherein the user is prohibited from accessing the service if the unique customer identification received by the at least one server does not match the unique customer identification stored on the at least one server, and

50 whereby a ubiquitous presence on a network is provided for facilitating provision of a

service to the user.

11. (currently amended) A computer network system, comprising:

a server computer running a server software application operable to create a unique customer identification for a user, store the unique identification on the server computer, communicate the unique customer identification to a client computer, wherein the unique  
5 customer identification communication, ~~does not include~~ lacking a cookie, is sent to a browser, and authenticate the user via the unique customer identification when the user communicates with the server computer; and

a client computer, incapable of managing a cookie, running a client software application, said client computer being operably connected to the server computer over a network, and  
10 wherein the client software application is operable to communicate user information to the server application, store the unique customer identification, and provide the server with the unique customer identification to authenticate a user with the server application; and

at least one additional server computer running an additional server software application, said additional server computer being operably connected to the server computer and client  
15 computer over a network, and being operable to provide information services to the user, and being operable to receive the unique customer identification from the server computer and, being operable to authenticate the user via the unique customer identification when the user communicates with the additional server software application,

whereby a ubiquitous presence on a network is provided for facilitating provision of a  
20 service to the user.

12. (currently amended) The ~~computer network~~ system of claim 11, further comprising  
at least one additional server software application, running on the server computer, being  
operable to provide a plurality of information services to the user, and being operable to  
receive the unique customer identification from the server computer, and being operable to  
5 authenticate the user via the unique customer identification when the user communicates with the additional server software application.

Claim 13 (canceled).

14. (currently amended) The method of claim 1, wherein the ~~creating step of creating a unique customer identification for the user of the consumer device~~ the step includes comprises generating a random number.

15. (currently amended) The method of claim 1, wherein ~~[[in]] the unique customer identification communicating step of communicating the unique customer identification to the client and other servers the unique identification is not embedded in~~ comprises forgoing embedding a cookie.

16. (currently amended) The method of claim 1, wherein ~~[[in]] the unique customer identification communicating step of communicating the unique customer identification to the client and other servers the unique customer identification is not~~ comprises forgoing transmitting a cookie.

17. (currently amended) The method of claim 1, wherein ~~[[in]] the entered user information communicating step of communicating user information to a first server from a client the user information includes~~ comprises transmitting an address and a phone number.

18. (currently amended) The ~~computer network~~ system of claim 11, wherein the client software application ~~does not store cookies~~ forgoes storing a cookie.

19. (currently amended) The ~~computer network~~ system of claim 11, wherein the at least one additional server computer ~~running~~ is operably connected to the server computer through a business network.

20. (currently amended) The ~~computer network~~ system of claim 19, further comprising a firewall disposed between the one server computer and the client computer.

21. (new) The method of claim 1, wherein the customer device comprises at least one electronic device selected from a group consisting essentially of a device capable of digital

communication, a computer, a cellular phone, a personal digital assistant, and a television.

22. (new) The method of claim 1, wherein the entered user information communicating step comprises using at least one technique selected from a group consisting essentially of a common gateway interface standard, a JAVA servlet technology, and a Berkeley System Distribution socket interface.

23. (new) The method of claim 1, wherein the unique customer identification communicating step comprises using at least one technique selected from a group consisting essentially of a common gateway interface standard, a JAVA servlet technology, a Berkeley System Distribution socket interface, an extensible mark-up language, and a custom format.

24. (new) The system of claim 9, further comprising at least one element selected from a group consisting essentially of the customer device, Internet, a firewall, a business network communication link, a registration server, a back end server, a billable database server, a public switched telephone network gateway database, and a plurality of other database servers.

25. (new) The system of claim 24,  
wherein the business network comprises a plurality of nodes, and  
wherein each node of the plurality of nodes requires access through a firewall via the business network communication link.

26. (new) The system of claim 9, wherein the customer device comprises at least one electronic device selected from a group consisting essentially of a device capable of digital communication, a computer, a cellular phone, a personal digital assistant, and a television.

27. (new) The system of claim 9, wherein the user information is entered by way of at least one element selected from a group consisting essentially of a keyboard, a mouse, a remote control, a touchpad, and means for recognizing a voice.